## Streptococcus pneumoniae Antigens and Vaccines

## Abstract

The present invention relates to novel vaccines for the prevention or attenuation of infection by Streptococcus pneumoniae. The invention further relates to isolated nucleic acid molecules encoding antigenic polypeptides of Streptococcus pneumoniae. Antigenic polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. The invention additionally relates to diagnostic methods for detecting Streptococcus nucleic acids, polypeptides and antibodies in a biological sample.